

List of INSP161 specific sequences:**SEQ ID NO: 1 (INSP161 mature nucleotide sequence)**

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1 AAGACCACAC CACATACCAA ATTTACGAAG AAATCTGAGG AAAGAGAGAT
51 GCCAAAGGGT CTAAAGCCAT CCAGTGGCCC ACCTCCAGAA GAAGAAGAAA
101 CCCTCTTCAC AGAAATGGCT GAAATGGCAG AACCAATTAC CAAACCCTCG
151 GCCTTGGATT CTGTCTTTGG CACTGCCACT CTCTCTCCCT TTGAAAACTT
201 CACTCTTGAC CCAGCTGATT TCTTTTTGAA TTGTTGTGAT TGTGTTTCAC
251 CTGTACCCGG GCAGAAAGGA GAACCTGGAG AGACTGGACA GCCAGGTCCT
301 AAAGGAGAGG CTGGAATTTT GGGGATCCCA GGGCCACCAG GAGTTGTTGG
351 GCCCCAAGGC CCTAGAGGCT ACAAAGGAGA GAAAGGTGAA CCTGGCCCTA
401 AGGGAGATAA AGGAAACATT GGTTTGGGAG GAGTGAAAGG AAAAAAGGC
451 TCCAAGGGAG ACACATGTGG GAATTGTACC AAAGGAGAAA AAGGAGACCA
501 AGGGGCTATG GGCTCACCTG GCCTGCACGG AGGGCTGGC GCCAAGGGAG
551 AGAAGGGGGA GATGGGGGAG AAGGGGGAGA TGGGGGATAA GGGCTGCTGT
601 GGAGATTCTG GGGAGAGGGG AGGAAAAGGA CAGAAAGGTG AGGGGGGTAT
651 GAAAGGGGAA AAAGGTAGCA AAGGAGACAG TGGAATGGAA GGCAAAAGCG
701 GCCGTAATGG TCTGCCTGGG GCCAAAGGTG ATCCAGGGAT TAAAGGAGAA
751 AAAGGAGAGT TAGGTCCTCC TGGTCTCCTG GGACCTACTG GGCCGAAGGG
801 TGACATTGGC AACAAAGGGG TCCGAGGCC CACTGGGAAG AAGGGCTCTC
851 GGGGCTTTAA AGGCTCCAAG GGTGAGTTGG C

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SEQ ID NO: 2 (INSP161 mature polypeptide sequence)

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1 KTTPHTKFTK KSEEREMPKG LKPSSGPPPE EEETLFTEMA EMAEPITKPS
51 ALDSVFGTAT LSPFENFTLD PADFFLNCCD CCSPVPGQKG EPGETGQPGP
101 KGEAGNLGIP GPPGVVGPOG PRGYKGEKGE PGPKGDKGNI GLGGVKGQKG
151 SKGDTCGNCT KGEKGDQAM GSPGLHGGPG AKGEKGEMGE KGEMGDKGCC
201 GDSGERGGKG QKGEGBMKGE KGSKGDSGME GKSGRNGLPG AKGDPGIKGE
251 KGELGPPGLL GPTGPKGDIG NKGVRGPTGK KSGRGFKGSK GELA

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SEQ ID NO: 3 (INSP161-A nucleotide sequence)

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1 TCCAGTGGCC CACCTCCAGA AGAAGAAGAA ACCCTCTTCA CAGAAATGGC
51 TGAAATGGCA GAACCAATTA CCAACCCTC GGCCTTGGAT TCTGTCTTTG
101 GCACTGCCAC TCTCTCTCCC TTTGAAAACT TCACTCTTGA CCCAGCTGAT
151 TTCTTTTGA ATTGTTGTGA TTGTTGTTCA CCTGTACCCG GGCAGAAAGG
201 AAGAGCTGGA GAGACTGGAC AGCCAGGTCC TAAAGGAGAG GCTGGAAATT
251 TGGGGATCCC AGGGCCACCA GGAGTTGTTG GGGCCCAAGG CCTAGAGGC
301 TACAAAGGAG AGAAAGGTGA ACCTGGCCCT AAGGGAGATA AAGGAAACAT
351 TGGTTTGGGA GGAGTGAAAG GACAAAAAGG CTCCAAGGGA GACACATGTG
401 GGAATTGTAC CAAAGGAGAA AAAGGAGACC AAGGGGCTAT GGGCTCACCT
451 GGCCTGCACG GAGGGCCTGG CGCCAAGGGA GAGAAGGGGG AGATGGGGGA
501 GAAGGGGGAG ATGGGGGATA AGGGCTGCTG TGGAGATTCT GGGGAGAGGG
551 GAGGAAAAGG ACAGAAAGGT GAGGGGGGTA TGAAAGGGGA AAAAGGTAGC
601 AAAGGAGACA GTGGAATGGA AGGCAAAAGC GGCCGTAATG GTCTGCCTGG
651 GGCCAAAGGT GATCCAGGGA TTAAAGGAGA AAAAGGAGAG TTAGGTCCTC
701 CTGGTCTCCT GGGACCTACT GGGCCGAAGG GTGACATTGG CAACAAAGGG
751 GTCCGAGGCC CCACTGGGAA GAAGGGCTCT CGGGGCTTTA AAGGCTCCAA
801 GGGTGAGTTG GCTAGAGTGC CCCGTCGGC TTTCAGCGCT GGTGTTGTCAA
851 AGCCATTTC TCTCCTAAC ATCCCATCA AATTTGAAAA GATTCTCTAT
901 AATGACCAAG GGAATTACAG TCCTGTCACT GGGAAAGTTA ACTGCTCTAT
951 TCCTGGGACA TATGTTTTTT CCTACCATAT TACGGTGAGG GGGCGACCTG
1001 CTCGAATCAG TCTGGTGGCC CAGAATAAGA AGCAGTTCAA GTCCAGAGAA
1051 ACTCTCTATG GTCAGGAAAT AGACCAGGCC TCTCTCCTCG TCATCTTGAA
1101 ATTAAGTGCA GGAGACCAAG TCTGGCTTGA GGTGTCAAAA GATTGGAATG
1151 GGGTGTATGT CAGTGCTGAG GATGACAGCA TTTTACTG GTTCCTTTTG
1201 TACCCAGAGG AAACCTCTGG AATTTACCA

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SEQ ID NO: 4 (INSP161-A polypeptide sequence)

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1  SSGPPPEEEE  TLFTEMAEMA  EPITKPSALD  SVFGTATLSP  FENFTLDPAD
51  FFLNCCDCCS  PVPGQKGEPG  ETGQPGPKGE  AGNLGIPGPP  GVVGPQGPRG
101 YKGEKGEPGP  KGDKNIGLG  GVKGQKGSKG  DTCGNCTKGE  KGDQGAMGSP
151 GLHGGPGAAG  EKGEMGEKGE  MGDKGCCGDS  GERGGKGQKG  EGGMKGEKGS
201 KGDSGMEGKS  GRNGLPGAAG  DPGIKGEKGE  LGPPGLLGPT  GPKGDIGNKG
251 VRGPTGKKGS  RGFKGSKGEL  ARVPRSAFSA  GLSKPFPPPN  IPIKFEKILY
301 NDQGNYSPT  GKFNCSIPGT  YVFSYHITVR  GRPARISLVA  QNKKQFKSRE
351 TLYGQEIDQA  SLLVILKLSA  GDQVWLEVSK  DWNGVYVSAE  DDSIFTGFL
401 YPEETSGISP

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SEQ ID NO: 5 (INSP161-B nucleotide sequence)

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1  TCCAGTGGCC  CACCTCCAGA  AGAAGAAGAA  ACCCTCTTCA  CAGAAATGGC
51  TGAAATGGCA  GAACCAATTA  CCAAACCCTC  GGCCTTGGAT  TCTGTCTTTG
101 GCACTGCCAC  TCTCTCTCCC  TTTGAAACT  TCACTCTTGA  CCCAGCTGAT
151 TTCTTTTTGA  ATTGTTGTGA  TTGTTGTTCA  CCTGTACCCG  GGCAGAAAGG
201 AGAACCTGGA  GAGACTGGAC  AGCCAGGTCC  TAAAGGAGAG  GCTGGAATTT
251 TGGGGATCCC  AGGGCCACCA  GGAGTTGTTG  GGCCCCAAGG  CCCTAGAGGC
301 TACAAAGGAG  AGAAAGGTGA  ACCTGGCCCT  AAGGGAGATA  AAGGAAACAT
351 TGGTTTGGGA  GGAGTGAAAG  GACAAAAGG  CTCCAAGGGA  GACACATGTG
401 GGAATTGTAC  CAAAGGAGAA  AAAGGAGACC  AAGGGGCTAT  GGGCTCACCT
451 GGCCTGCACG  GAGGGCCTGG  CGCCAAGGGA  GAGAAGGGGG  AGATGGGGGA
501 GAAGGGGGAG  ATGGGGGGTA  AGGGCTGCTG  TGGAGATTCT  GGGGAGAGGG
551 GAGGAAAAGG  ACAGAAAGGT  GAGGGGGGTA  TGAAAGGGGA  AAAAGGTAGC
601 AAAGGAGACA  GTGGAATGGA  AGGCAAAAGC  GGCCGTAATG  GTCTGCCTGG
651 GGCCAAAGGT  GATCCAGGGA  TTAAAGGAGA  AAAAGGAGAG  TTAGGTCCTC
701 CTGGTCTCCT  GGGACCTACT  GGGCCGAAGG  GTGACATTGG  CAACAAAGGG
751 GTCCGAGGCC  CCACTGGGAA  GAAGGGCTCT  CGGGGCTTTA  AAGGC

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SEQ ID NO: 6 (INSP161-B polypeptide sequence)

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1  SSGPPPEEEE  TLFTEMAEMA  EPITKPSALD  SVFGTATLSP  FENFTLDPAD
51  FFLNCCDCCS  PVPGQKGEPG  ETGQPGPKGE  AGNLGIPGPP  GVVGPQGPRG
101 YKGEKGEPGP  KGDKNIGLG  GVKGQKGSKG  DTCGNCTKGE  KGDQGAMGSP
151 GLHGGPGAAG  EKGEMGEKGE  MGDKGCCGDS  GERGGKGQKG  EGGMKGEKGS
201 KGDSGMEGKS  GRNGLPGAAG  DPGIKGEKGE  LGPPGLLGPT  GPKGDIGNKG
251 VRGPTGKKGS  RGFKG

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SEQ ID NO: 7 (INSP161-C nucleotide sequence)

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1  TCCAAGGGTG  AGTTGGCTAG  AGTGCCCGG  TCGGCTTTCA  GCGCTGGTTT
51  GTCAAAGCCA  TTTCCTCCTC  CTAACATCCC  CATCAAATTT  GAAAAGATTC
101 TCTATAATGA  CCAAGGGAAT  TACAGTCCTG  TCACTGGGAA  GTTTAACTGC
151 TCTATTCTGT  GGACATATGT  TTTTTCCTAC  CATATTACGG  TGAGGGGGCG
201 ACCTGCTCGA  ATCAGTCTGG  TGGCCAGAA  TAAGAAGCAG  TTCAAGTCCA
251 GAGAACTCT  CTATGGTCAG  GAAATAGACC  AGGCCTCTCT  CCTCGTCATC
301 TTGAAATTAA  GTGCAGGAGA  CCAAGTCTGG  CTTGAGGTGT  CAAAAGATTG
351 GAATGGGGTG  TATGTCAGTG  CTGAGGATGA  CAGCATTTTT  ACTGGGTTCC
401 TTTTGTACCC  AGAGGAAACT  TCTGGAATTT  CACCA

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SEQ ID NO: 8 (INSP161-C polypeptide sequence)

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1  SKGELARVPR  SAFSAGLSKP  FPPNPIPIKF  EKILYNDQGN  YSPVTGKFNC
51  SIPGTYVFSY  HITVRGRPAR  ISLVAQNKKQ  FKSRETLYGQ  EIDQASLLVI
101 LKLSAGDQVW  LEVSKDWNGV  YVSAEDDSIF  TGFLLYPEET  SGISP

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SEQ ID NO: 9 (C1q nucleotide sequence)

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1  GCTTTTCAGCG  CTGGTTTGTG  AAAGCCATTT  CCTCCTCCTA  ACATCCCCAT
51  CAAATTTGAA  AAGATTCTCT  ATAATGACCA  AGGGAATTAC  AGTCCTGTCA
101 CTGGGAAGTT  TAACTGCTCT  ATTCCTGGGA  CATATGTTTT  TTCTTACCAT
151 ATTACGGTGA  GGGGGCGACC  TGCTCGAATC  AGTCTGGTGG  CCCAGAATAA
201 GAAGCAGTTC  AAGTCCAGAG  AAATCTCTTA  TGGTCAGGAA  ATAGACCAGG
251 CCTCTCTCCT  CGTCATCTTG  AAATTAAGTG  CAGGAGACCA  AGTCTGGCTT

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301 GAGGTGTCAA AAGATTGGAA TGGGGTGTAT GTCAGTGCTG AGGATGACAG
 351 CATTTTACT GGGTTCCTTT TG

SEQ ID NO: 10 (C1q polypeptide sequence)

1 AFSAGLSKPF PPPNIPIKFE KILYNDQGN Y SPVTGKFNC S IPGTYVFSYH
 51 ITVRGRPARI SLVAQNKKQF KSRETLYGQ E IDQASLLVIL KLSAGDQVWL
 101 EVSKDWNQVY VSAEDDSIFT GELL

SEQ ID NO: 11 (histidine tag INSP161 mature nucleotide sequence)

1 AAGACCACAC CACATACCAA ATTTACGAAG AAATCTGAGG AAAGAGAGAT
 51 GCCAAAGGGT CTAAAGCCAT CCAGTGCCCC ACCTCCAGAA GAAGAAGAAA
 101 CCCTCTTCAC AGAAATGGCT GAAATGGCAG AACCAATTAC CAAACCCTCG
 151 GCCTTGATT CTGTCTTTGG CACTGCCACT CTCTCTCCCT TTGAAAACCT
 201 CACTCTTGAC CCAGCTGATT TCTTTTGTAA TTGTTGTGAT TGTGTGTCAC
 251 CTGTACCCGG GCAGAAAGGA GAACCTGGAG AGACTGGACA GCCAGGTCCT
 301 AAAGGAGAGG CTGGAAATTT GGGGATCCCA GGGCCACCAG GAGTTGTTGG
 351 GCCCCAAGGC CCTAGAGGCT ACAAAGGAGA GAAAGGTGAA CCTGGCCCTA
 401 AGGGAGATAA AGGAAACATT GGTTTGGGAG GAGTGAAAGG AAAAAAGGC
 451 TCCAAGGGAG ACACATGTGG GAATTGTACC AAAGGAGAAA AAGGAGACCA
 501 AGGGGCTATG GGCTCACCTG GCCTGCACGG AGGGCCTGGC GCCAAGGGAG
 551 AGAAGGGGGA GATGGGGGAG AAGGGGGAGA TGGGGGATAA GGGCTGCTGT
 601 GGAGATTCTG GGGAGAGGGG AGGAAAAGGA CAGAAAGGTG AGGGGGGTAT
 651 GAAAGGGGAA AAAGGTAGCA AAGGAGACAG TGGAATGGAA GGCAAAAGCG
 701 GCCGTAATGG TCTGCCTGGG GCCAAAGGTG ATCCAGGGAT TAAAGGAGAA
 751 AAAGGAGAGT TAGGTCTCTC TGGTCTCTCT GGACCTACTG GGCCGAAGGG
 801 TGACATTGGC AACAAAGGGG TCCGAGGCC CACTGGGAAG AAGGGCTCTC
 851 GGGGCTTTAA AGGCTCCAAG GGTGAGTTGG CCACCATCAC CATCACCAT

SEQ ID NO: 12 (histidine tag INSP161 mature polypeptide sequence)

1 KTHPHTKFTK KSEEREMPKG LKPSSGPPPE EEETLFTEMA EMAEPITKPS
 51 ALDSVFGTAT LSPFENFTLD PADFFLNCCD CCSPVPGQKG EPGETGQPGP
 101 KGEAGNLGIP GPPGVVGPQG PRGYKGEKGE PGPKGDKGNI GLGGVKGQKG
 151 SKGDTGGNCT KGEKGDQGM GSPGLHGGPG AKGEKGEMGE KGEMGDKGCC
 201 GDSGERGGKG QKGEKGMKGE KSGKDSGME GKSGRNLPG AKGDPGIKGE
 251 KGELGPPGLL GPTGPKGDIG NKGVRGPTGK KSGRFGKGSK GELAHHHHHH

SEQ ID NO: 13 (histidine tag INSP161-A nucleotide sequence)

1 TCCAGTGGCC CACCTCCAGA AGAAGAAGAA ACCCTCTTCA CAGAAATGGC
 51 TGAAATGGCA GAACCAATTA CCAAACCCTC GGCTTGAT TCTGTCTTTG
 101 GCACTGCCAC TCTCTCTCCC TTTGAAAAC TCACTCTTGA CCCAGCTGAT
 151 TTCTTTTGA ATTGTTGTGA TTGTTGTTCA CCTGTACCCG GGCAGAAAGG
 201 AGAACCTGGA GAGACTGGAC AGCCAGGTCC TAAAGGAGAG GCTGGAAATT
 251 TGGGGATCCC AGGGCCACCA GGAGTTGTTG GGCCCCAAG CCCTAGAGGC
 301 TACAAAGGAG AGAAAGGTGA ACCTGGCCCT AAGGGAGATA AAGGAAACAT
 351 TGGTTTGGGA GGAGTGAAAG GACAAAAAGG CTCCAAGGGA GACACATGTG
 401 GGAATTGTAC CAAAGGAGAA AAAGGAGACC AAGGGGCTAT GGGCTCACCT
 451 GGCTGCACG GAGGGCCTGG CGCCAAGGGA GAGAAGGGGG AGATGGGGGA
 501 GAAGGGGGAG ATGGGGGATA AGGGCTGCTG TGGAGATTCT GGGGAGAGGG
 551 GAGGAAAAGG ACAGAAAGGT GAGGGGGGTA TGAAAGGGGA AAAAGGTAGC
 601 AAAGGAGACA GTGGAATGGA AGGCAAAAGC GGCCGTAATG GTCTGCCTGG
 651 GGCCAAAGGT GATCCAGGGA TTAAAGGAGA AAAAGGAGAG TTAGGTCTCTC
 701 CTGGTCTCCT GGGACCTACT GGGCCGAAGG GTGACATTGG CAACAAAGGG
 751 GTCCGAGGCC CCACTGGGAA GAAGGGCTCT CGGGGCTTTA AAGGCTCCAA
 801 GGGTGAGTTG GCTAGAGTGC CCCGGTCGGC TTTACGCGCT GGTGTTGTCAA
 851 AGCCATTTC TCCTCCTAAC ATCCCACATCA AATTTGAAAA GATTCTCTAT
 901 AATGACCAAG GGAATTACAG TCCTGTCACT GGGAAGTTTA ACTGCTCTAT
 951 TCCTGGGACA TATGTTTTTT CCTACCATAT TACGGTGAGG GGGCGACCTG
 1001 CTCGAATCAG TCTGGTGGCC CAGAATAAGA AGCAGTTCAA GTCCAGAGAA
 1051 ACTCTCTATG GTCAGGAAAT AGACCAGGCC TCTCTCCTCG TCATCTTGAA

1101 ATTAAGTGCA GGAGACCAAG TCTGGCTTGA GGTGTCAAAA GATTGGAATG
 1151 GGGTGTATGT CAGTGCTGAG GATGACAGCA TTTTACTGG GTTCCTTTTG
 1201 TACCCAGAGG AACTTCTGG AATTTACCA CACCATCACC ATCACCAT

SEQ ID NO: 14 (histidine tag INSP161-A polypeptide sequence)

1 SSGPPPEEEE TLFTEMAEMA EPITKPSALD SVFGTATLSP FENFTLDPAD
 51 FFLNCCDCCS PVPQGKGEPG ETGQPGPKGE AGNLGIPGPP GVVGPQGPRG
 101 YKGEKGEPGP KGDKGNIGLG GVKGQKGSKG DTGNCNCTKGE KGDQGGAMGSP
 151 GLHGGPGAKG EKGEMGEKGE MGDKGCCGDS GERGGKGQKG EGGMKGEKGS
 201 KGDSGMEGKS GRNGLPGAAG DPGIKGEKGE LGPPGLLGPT GPKGDIGNKG
 251 VRGPTGKKGS RGFKGSKGEL ARVPSAFSA GLSKPFPPPN IPIKFEKILY
 301 NDQGNYSPTV GKFNCISIPGT YVFSYHITVR GRPARISLVA QNKKQFKSRE
 351 TLYGQEIDQA SLLVILKLSA GDQVWLEVSK DWNGVYVSAE DDSIFTGFL
 401 YPEETSGISP HHHHHH

SEQ ID NO: 15 (histidine tag INSP161-B nucleotide sequence)

1 TCCAGTGGCC CACCTCCAGA AGAAGAAGAA ACCCTCTTCA CAGAAATGGC
 51 TGAAATGGCA GAACCAATTA CCAAACCTC GGCTTGGAT TCTGTCTTTG
 101 GCACTGCCAC TCTCTCTCC TTTGAAACT TCACTCTTGA CCCAGCTGAT
 151 TTCTTTTGA ATTGTTGTGA TTGTTGTTCA CCTGTACCCG GGCAGAAAGG
 201 AGAACCTGGA GAGACTGGAC AGCCAGGTCC TAAAGGAGAG GCTGGAAATT
 251 TGGGGATCCC AGGGCCACCA GGAGTTGTTG GGCCCAAGG CCCTAGAGGC
 301 TACAAAGGAG AGAAAGGTGA ACCTGGCCCT AAGGGAGATA AAGGAAACAT
 351 TGGTTTGGGA GGAGTAAAAG GACAAAAGG CTCCAAGGGA GACACATGTG
 401 GGAATTGTAC CAAAGGAGAA AAAGGAGACC AAGGGGCTAT GGGCTCACCT
 451 GGCTGTCACG GAGGGCCTGG CGCCAAGGGA GAGAAGGGGG AGATGGGGGA
 501 GAAGGGGGGAG ATGGGGGATA AGGGCTGCTG TGGAGATTCT GGGGAGAGGG
 551 GAGGAAAAGG ACAGAAAGGT GAGGGGGGTA TGAAAGGGGA AAAAGGTAGC
 601 AAAGGAGACA GTGGAATGGA AGGCAAAAGC GGCCGTAATG GTCTGCCTGG
 651 GGCCAAAGGT GATCCAGGGA TTAAGGAGA AAAAGGAGAG TTAGGTCCTC
 701 CTGGTCTCCT GGGACCTACT GGGCCGAAGG GTGACATTGG CAACAAAGGG
 751 GTCCGAGGCC CCACTGGGAA GAAGGGCTCT CGGGGCTTTA AAGGCCACCA
 801 TCACCATCAC CAT

SEQ ID NO: 16 (histidine tag INSP161-B polypeptide sequence)

1 SSGPPPEEEE TLFTEMAEMA EPITKPSALD SVFGTATLSP FENFTLDPAD
 51 FFLNCCDCCS PVPQGKGEPG ETGQPGPKGE AGNLGIPGPP GVVGPQGPRG
 101 YKGEKGEPGP KGDKGNIGLG GVKGQKGSKG DTGNCNCTKGE KGDQGGAMGSP
 151 GLHGGPGAKG EKGEMGEKGE MGDKGCCGDS GERGGKGQKG EGGMKGEKGS
 201 KGDSGMEGKS GRNGLPGAAG DPGIKGEKGE LGPPGLLGPT GPKGDIGNKG
 251 VRGPTGKKGS RGFKGHHHHH H

SEQ ID NO: 17 (histidine tag INSP161-C nucleotide sequence)

1 TCCAAGGGTG AGTTGGCTAG AGTGCCCGG TCGGCTTTCA GCGCTGGTTT
 51 GTCAAAGCCA TTTCCTCCTC CTAACATCCC CATCAAATTT GAAAAGATTC
 101 TCTATAATGA CCAAGGGAAT TACAGTCTG TCACTGGGAA GTTTAACTGC
 151 TCTATTCTCTG GGACATATGT TTTTTCCTAC CATATTACGG TGAGGGGGCG
 201 ACCTGCTCGA ATCAGTCTGG TGGCCAGAA TAAGAAGCAG TTCAAGTCCA
 251 GAGAACTCT CTATGGTCAG GAAATAGACC AGGCCTCTCT CTCGTCATC
 301 TTGAAATTAA GTGCAGGAGA CCAAGTCTGG CTTGAGGTGT CAAAAGATTG
 351 GAATGGGGTG TATGTCAGTG CTGAGGATGA CAGCATTTT ACTGGGTTCC
 401 TTTTGTACCC AGAGGAACT TCTGGAATTT CACCACACCA TCACCATCAC
 451 CAT

SEQ ID NO: 18 (histidine tag INSP161-C polypeptide sequence)

1 SKGELARVPR SAFSAGLSKP FPPNPIPIK EKILYNDQGN YSPVTGKFNC
 51 SIPGTYVFSY HITVRGRPAR ISLVAQNKKQ FKSRETLYGQ EIDQASLLVI
 101 LKLSAGDQVW LEVSKDWNGV YVSAEDDSIF TGFLLYPEET SGISPHHHHH
 151 H

SEQ ID NO: 19 (histidine tag C1q nucleotide sequence)

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1  GCTTTCAGCG CTGGTTTGTC AAAGCCATTT CCTCCTCCTA ACATCCCCAT
51 CAAATTTGAA AAGATTCTCT ATAATGACCA AGGGAATTAC AGTCCTGTCA
101 CTGGGAAGTT TAACTGCTCT ATTCTGGGA CATATGTTTT TTCCTACCAT
151 ATTACGGTGA GGGGCGACC TGCTCGAATC AGTCTGGTGG CCCAGAATAA
201 GAAGCAGTTC AAGTCCAGAG AAATCTCTA TGGTCAGGAA ATAGACCAGG
251 CCTCTCTCCT CGTCATCTTG AAATTAAGTG CAGGAGACCA AGTCTGGCTT
301 GAGGTGTCAA AAGATTGGAA TGGGGTGTAT GTCAGTGCTG AGGATGACAG
351 CATTTTACT GGGTTCCTTT TGCACCATCA CCATCACCAT

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SEQ ID NO: 20 (histidine tag C1q polypeptide sequence)

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1  AFSAGLSKPF PPPNIPIKFE KILYNDQGN Y SPVTGKFNC S IPGTYVFSYH
51 ITVRGRPARI SLVAQNKKQF KSRETLYGQ E IDQASLLV L KLSAGDQVWL
101 EVSKDWNGVY VSAEDDSIFT GFLHHHHHH

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SEQ ID NO: 21 (INSP161 nucleotide sequence)

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1  ATGTATATAT TTTCTATTA TATCTTTCTT CCAGCTTCAA ATATGTGGAT
51 GTTTTCTTGG CTTTGTGCTA TTTTAATTAT TTTGGCTATT GCTGGTATGA
101 ACACAATAGC AAAGACCACA CCACATACCA AATTTACGAA GAAATCTGAG
151 GAAAGAGAGA TGCCAAAGGG TCTAAAGCCA TCCAGTGGCC CACCTCCAGA
201 AGAAGAAGAA ACCCTCTTCA CAGAAATGGC TGAAATGGCA GAACCAATTA
251 CCAAACCCTC GGCCTTGGAT TCTGTCTTTG GCACTGCCAC TCTCTCTCCC
301 TTTGAAAAC TCACTCTTGA CCCAGCTGAT TTCTTTTGA ATTGTTGTGA
351 TTGTTGTTC CCTGTACCCG GGCAGAAAGG AGAACCTGGA GAGACTGGAC
401 AGCCAGGTCC TAAAGGAGAG GCTGGAATTT TGGGGATCCC AGGGCCACCA
451 GGAGTTGTTG GGCCCCAAGG CCCTAGAGGC TACAAAGGAG AGAAAGGTGA
501 ACCTGGCCCT AAGGGAGATA AAGGAAACAT TGGTTTGGGA GGAGTGAAAG
551 GACAAAAGG CTCCAAGGGA GACACATGTG GGAATTGTAC CAAAGGAGAA
601 AAAGGAGACC AAGGGGCTAT GGGCTCACCT GGCCTGCACG GAGGGCCTGG
651 CGCCAAGGGA GAGAAGGGGG AGATGGGGGA GAAGGGGGAG ATGGGGGATA
701 AGGGCTGCTG TGGAGATTCT GGGGAGAGGG GAGGAAAAGG ACAGAAAGGT
751 GAGGGGGGTA TGAAAGGGGA AAAAGGTAGC AAAGGAGACA GTGGAATGGA
801 AGGCAAAAGG GGCCGTAATG GTCTGCCTGG GGCCAAAGGT GATCCAGGGA
851 TTAAAGGAGA AAAAGGAGAG TTAGGTCTCT CTGGTCTCCT GGGACCTACT
901 GGGCCGAAGG GTGACATTGG CAACAAAGGG GTCCGAGGCC CCACTGGGAA
951 GAAGGGCTCT CGGGGCTTTA AAGGCTCCAA GGGTGAGTTG GCTAGAGTGC
1001 CCCGGTCGGC TTTCAGCGCT GGTGTGTC AAAGCATTTCC TCCTCCTAAC
1051 ATCCCCATCA AATTTGAAAA GATTCTCTAT AATGACCAAG GGAATTACAG
1101 TCCTGTCACT GGGAAAGTTA ACTGCTCTAT TCCTGGGACA TATGTTTTTT
1151 CCTACCATAT TACGGTGAGG GGGCGACCTG CTCGAATCAG TCTGGTGGCC
1201 CAGAATAAGA AGCAGTTCAA GTCCAGAGAA ACTCTCTATG GTCAGGAAAT
1251 AGACCAGGCC TCTCTCCTCG TCATCTTGAA ATTAAGTGCA GGAGACCAAG
1301 TCTGGCTTGA GGTGTCAAAA GATTGGAATG GGGTGTATGT CAGTGCTGAG
1351 GATGACAGCA TTTTACTGG GTTCCTTTTG TACCCAGAGG AAATTTCTGG
1401 AATTTACCA

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SEQ ID NO: 22 (INSP161 polypeptide sequence)

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1  MYIFSYYIFL PASNMWMFSW LCAILILAI AGMNTIAKTT PHTKFTKKSE
51 EREMPKGLKP SSGPPPEEEE TLFTEMAEMA EPITKPSALD SVFGTATLSP
101 FENFTLDPAD FFLNCCDCCS PVPGQKGEPP ETGQPGPKGE AGNLGIPGPP
151 GVVGPQGPGR YKGEKGEPPG KGDKNIGL GVKGQKGSKG DTCGNCTKGE
201 KGDQAGMGSP GLHGGPGAAG EKGEKGEKGE MGDKGCCGDS GERGGKQKQK
251 EGGMKGEKGS KGDGMEGKS GRNGLPGAAG DPGIKGEKGE LGPPGLLGPT
301 GPKGDIGNKG VRGPTGKKGS RGFKGSKGEL ARVPRSAFSA GLSKPFPFPPN
351 IPIKFEKILY NDQGNYSPTV GKFNCSIPGT YVFSYHITVR GRPARISLVA
401 QNKKQFKSRE TLYGQEIDQA SLLVILKLSA GDQVWLEVSK DWNGVYVSAE
451 DDSIFTGFL YPEETSGISP

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SEQ ID NO: 23 (histidine tag INSP161 nucleotide sequence)

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1  ATGTATATAT TTTCTATTA TATCTTTCTT CCAGCTTCAA ATATGTGGAT

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51  GTTTCTCTGG  CTTTGTGCTA  TTTTAATTAT  TTTGGCTATT  GCTGGTATGA
101 ACACAATAGC  AAAGACCACA  CCACATACCA  AATTTACGAA  GAAATCTGAG
151 GAAAGAGAGA  TGCCAAAGGG  TCTAAAGCCA  TCCAGTGGCC  CACCTCCAGA
201 AGAAGAAGAA  ACCCTCTTCA  CAGAAATGGC  TGAAATGGCA  GAACCAATTA
251 CCAAACCCCT  GGCCTTGGAT  TCTGTCTTTG  GCACTGCCAC  TCTCTCTCCC
301 TTTGAAAACT  TCACTCTTGA  CCCAGCTGAT  TTCTTTTGA  ATTGTTGTGA
351 TTGTTGTTCA  CCTGTACCCG  GGCAGAAAGG  AGAACCTGGA  GAGACTGGAC
401 AGCCAGGTCC  TAAAGGAGAG  GCTGGAAATT  TGGGGATCCC  AGGGCCACCA
451 GGAGTTGTTG  GGCCCCAAGG  CCCTAGAGGC  TACAAAGGAG  AGAAAGGTGA
501 ACCTGGCCCT  AAGGGAGATA  AAGGAAACAT  TGGTTTGGGA  GGAGTGAAAG
551 GACAAAAAGG  CTCCAAGGGA  GACACATGTG  GGAATTGTAC  CAAAGGAGAA
601 AAAGGAGACC  AAGGGGCTAT  GGGCTCACCT  GGCTGCACG  GAGGGCCTGG
651 CGCCAAGGGA  GAGAAGGGGG  AGATGGGGGA  GAAGGGGGAG  ATGGGGGATA
701 AGGGCTGCTG  TGGAGATTCT  GGGGAGAGGG  GAGGAAAAGG  ACAGAAAGGT
751 GAGGGGGGTA  TGAAAGGGGA  AAAAGGTAGC  AAAGGAGACA  GTGGAATGGA
801 AGGCAAAAGC  GGCCGTAATG  GTCTGCCTGG  GGCCAAAGGT  GATCCAGGGA
851 TTAAAGGAGA  AAAAGGAGAG  TTAGGTCCTC  CTGGTCTCCT  GGGACCTACT
901 GGGCCGAAGG  GTGACATTGG  CAACAAAGGG  GTCCGAGGCC  CCACTGGGAA
951 GAAGGGCTCT  CGGGGCTTTA  AAGGCTCCAA  GGGTGAGTTG  GCTAGAGTGC
1001 CCCGGTCGGC  TTTCAGCGCT  GGTTTGTCAA  AGCCATTTC  TCCTCCTAAC
1051 ATCCCCATCA  AATTTGAAAA  GATTCTCTAT  AATGACCAAG  GGAATTACAG
1101 TCCTGTCACT  GGGAAAGTTA  ACTGCTCTAT  TCCTGGGACA  TATGTTTTTT
1151 CCTACCATAT  TACGGTGAGG  GGGCGACCTG  CTCGAATCAG  TCTGGTGGCC
1201 CAGAATAAGA  AGCAGTTCAA  GTCCAGAGAA  ACTCTCTATG  GTCAGGAAAT
1251 AGACCAGGCC  TCTCTCCTCG  TCATCTTGAA  ATTAAGTGCA  GGAGACCAAG
1301 TCTGGCTTGA  GGTGTCAAAA  GATTGGAATG  GGGTGTATGT  CAGTGCTGAG
1351 GATGACAGCA  TTTTACTGG  GTTCCTTTTG  TACCCAGAGG  AAACCTCTGG
1401 AATTTACCA  CACCATCACC  ATCACCAT

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SEQ ID NO: 24 (histidine tag INSP161 polypeptide sequence)

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1  MYIFSYYIFL  PASNMWMFSW  LCAILIILAI  AGMNTIAKTT  PHTKFTHKSE
51  EREMPKGLKP  SSGPPPEEEE  TLFTEMAEMA  EPITKPSALD  SVFGTATLSP
101 FENFTLDPAD  FFLNCCDCCS  PVPQKGEPEG  ETGQPGPKGE  AGNLGIPGPP
151 GVVGPQGPRG  YKGEKGEPPG  KGDKNIGLG  GVKGQKGSKG  DTCGNCTKGE
201 KGDQAGMSP  GLHGGPQAKG  EKGEKGEKGE  MGDKGCCGDS  GERGGKGQKG
251 EGGMKGEKGS  KGDGMEGKS  GRNGLPQAKG  DPGIKGEKGE  LGPPGLLGPT
301 GPKGDIGNKG  VRGPTGKKGS  RGFKGSKGEL  ARVPRSAFSA  GLSKPFPNPN
351 IPIKFEKILY  NDQGNYSPT  GKFNCSIPGT  YVFSYHITVR  GRPARISLVA
401 QNKKQFKSRE  TLYGQEIDQA  SLLVILKLSA  GDQVWLEVSK  DWNGVYVSAE
451 DDSIFTGFL  YPEETSGISP  HHHHHH

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